FIGURE 1

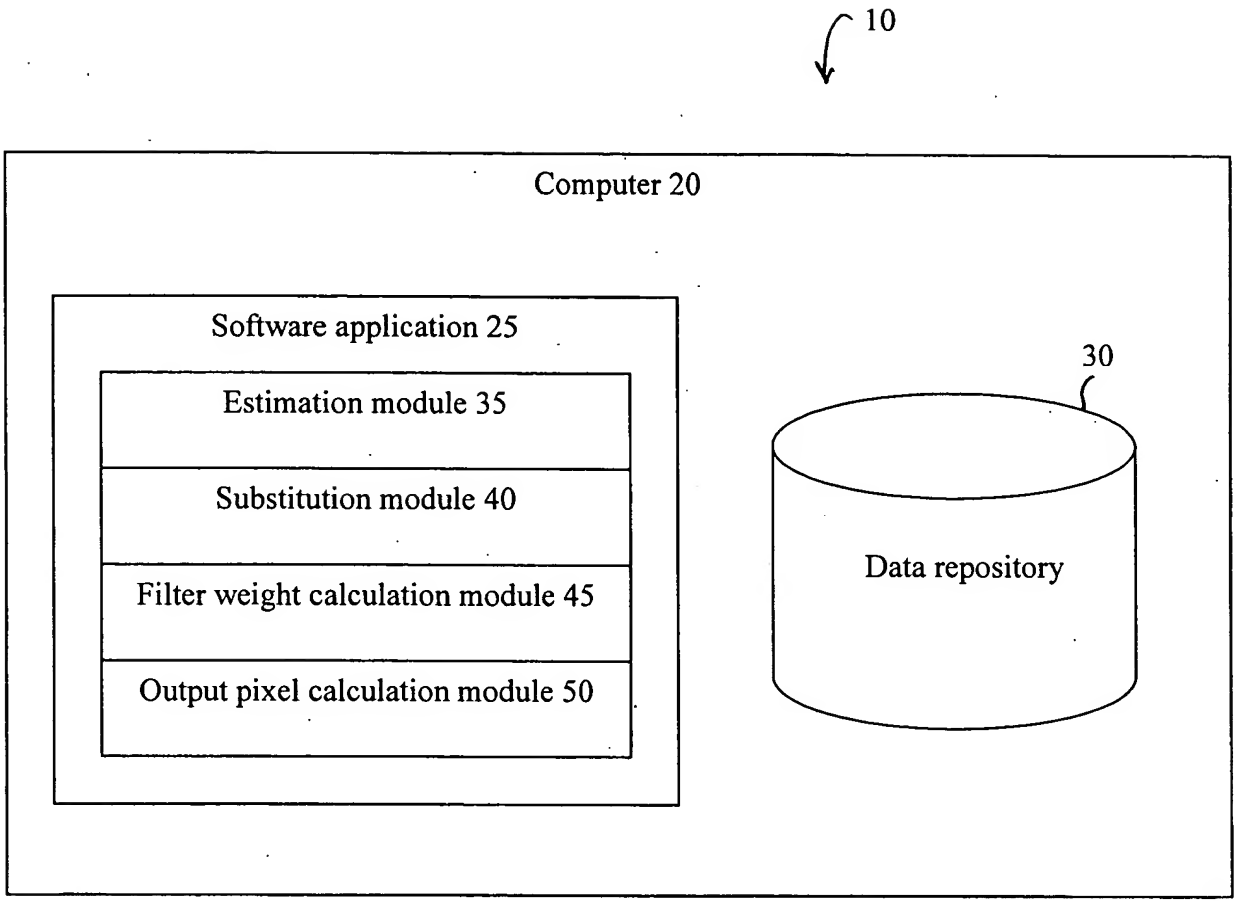
10
Computer 20
Software application 25
Estimation module 35
Substitution module 40
Filter weight calculation module 45
Output pixel calculation module 50
30
Data repository

FIGURE 2

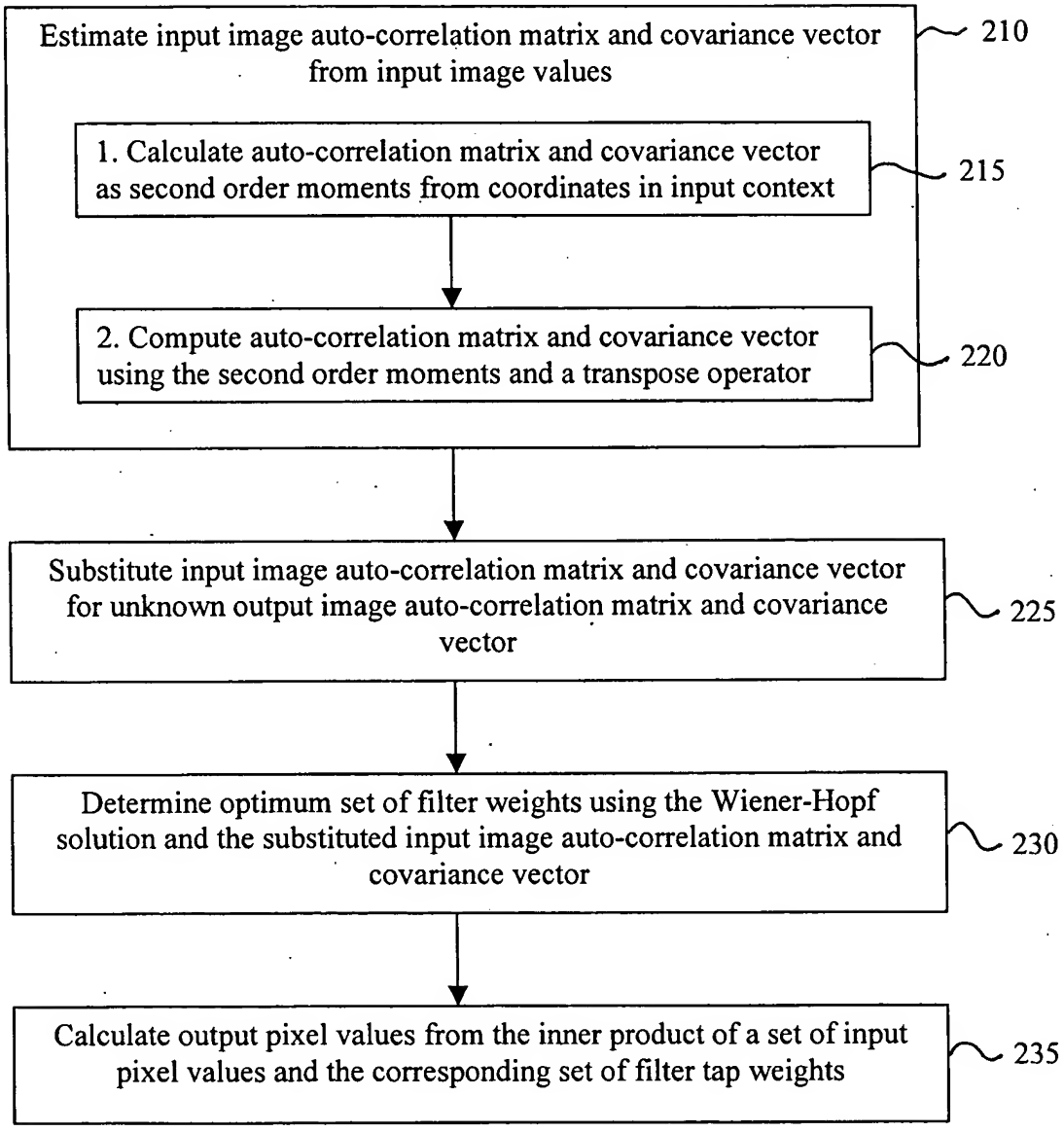
Estimate input image auto-correlation matrix and covariance vector from input image values
210
1. Calculate auto-correlation matrix and covariance vector as second order moments from coordinates in input context
215
2. Compute auto-correlation matrix and covariance vector using the second order moments and a transpose operator
220
Substitute input image auto-correlation matrix and covariance vector for unknown output image auto-correlation matrix and covariance vector
225
Determine optimum set of filter weights using the Wiener-Hopf solution and the substituted input image auto-correlation matrix and covariance vector
230
Calculate output pixel values from the inner product of a set of input pixel values and the corresponding set of filter tap weights
235

FIGURE 3A (PRIOR ART)

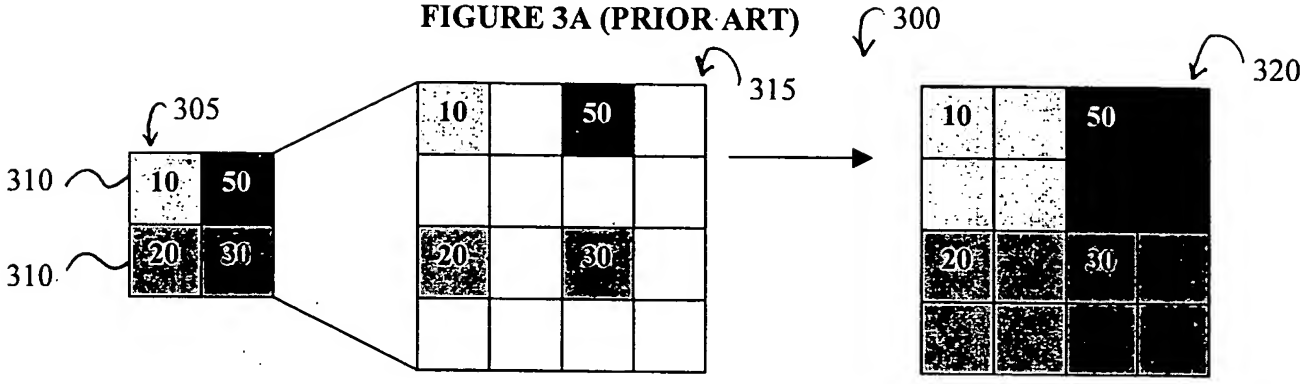

FIGURE 3B (PRIOR ART)

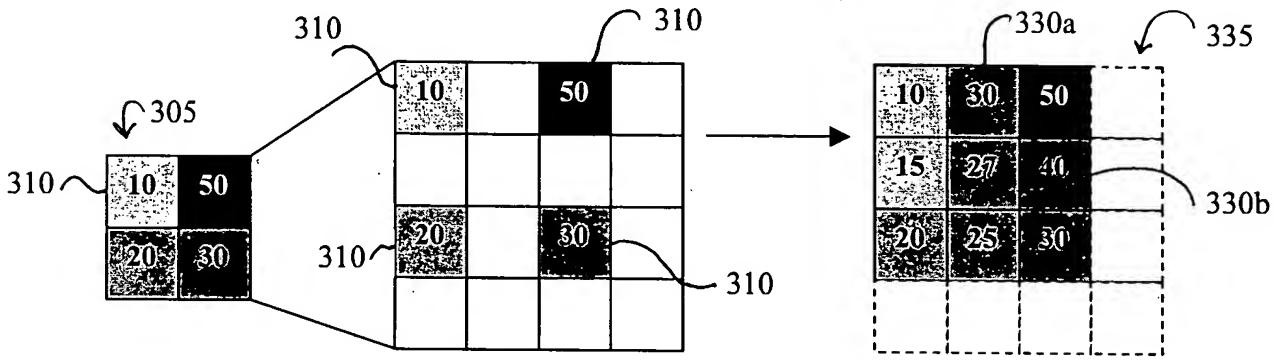

FIGURE 3C

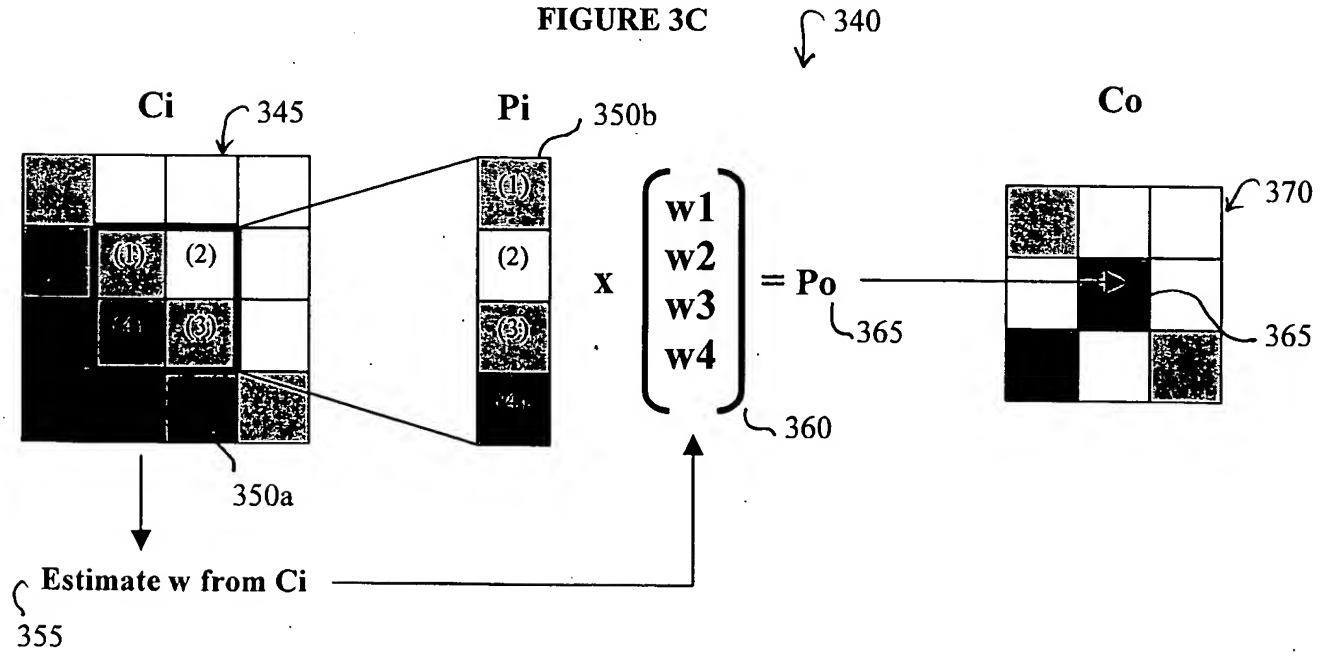

FIGURE 4A

FIGURE 4B

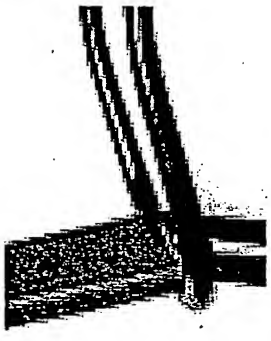

FIGURE 4C

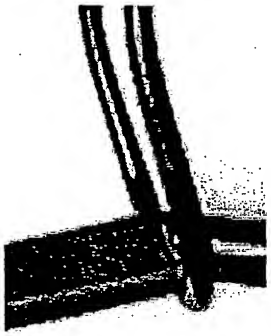

FIGURE 4D